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BELL TELEPHONE LABORATORIES

See Western Electric Company, Inc., OEMsr-905.

BENDIX AVIATION CORPORATION. FRIEZ INSTRUMENT DIVISION, Baltimore, Md. OEMsr-258
Projects CWS-19, NO-77B, NO-77R, OD-27.

2805 [Development of radio proximity fuzes and accessories] Interim reports by Denis McCormack. Jan. 27 and Feb. 5, 1943. Report nos. 30, 39. S

BOWEN AND COMPANY, INC., Bethesda, Md. OEMsr-1227
Projects AC-62, NO-77B, NO-77R, NO-185, OD-27.

2806 Pilot production of T-50 fuzes; [final report] by Allen S. Clarke and C. N. Julian. [May 1945] A-335. OSRD 5351. S

EMERSON RADIO AND PHONOGRAPH CORPORATION, New York, N. Y.

OEMsr-885
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2813 [Development and manufacture of special radio devices and associated equipment] Preliminary draft of final technical report. [May 14, 1945] S

2815 Amplifier simplification for MC-382 fuze. Parts I and II by R. H. Pintell. May 24 and July 24, 1943. Memorandum no. 48-R. S

2817 [Development and manufacture of special radio devices and associated equipment] Interim reports by Dorman D. Israel. Mar. 5, 1943, May 26 and June 16, 1944. Emerson nos. 4, 53, 56. S

EMERSON RADIO AND PHONOGRAPH CORPORATION, New York, N. Y.

OEMsr-1113
See Emerson Radio and Phonograph Corporation, OEMsr-885.

UNIVERSITY OF FLORIDA. ENGINEERING AND INDUSTRIAL EXPERIMENT STATION, Gainesville, Fla.

OEMsr-949
Projects NO-72.2, NO-76B, NO-76R, NO-77B, NO-77R, NO-77S, OD-26, OD-27, OD-33, OD-50.

2820 Final chronological report on both the RC project and the Mortimer project, by Palmer H. Craig. May 19, 1945. WRL-UF-7. S

2821 A radio proximity fuze: Type BRD; [final report] Sept. 1945. A-480. OSRD 6650. S

2822 A radio proximity fuze: Type MROG; [final report] Apr. 1945. A-338. OSRD 5412. S

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A CATALOG OF OSRD REPORTS

- 2824 Considerations of the problem of adapting the radio proximity fuze to the M-56 mortar projectile, by Alfred S. Khouri. Oct. 30, 1943. S
- 2825 Four reports on MROG (T-172) antenna modifications, by Alfred S. Khouri. Sept. 21, 1945. WRL-UF-12. Contents. --I. Modifications of the MROG to reduce loop area and prominence of the loop.--II. Study of the possibility of making both loop and longitudinal type fuzes from the basic University of Florida MROG unit.--III. Performance of the basic MROG design adapted to end-fed longitudinal excitation.--IV. Sensitivity comparison of modified loop, the inverted loop and the imbedded loop. S
- 2826 Interaction of loop antenna and neighboring conductors with special reference to the MROG fuze, by R. C. Williamson. Aug. 10, 1944. WRL-UF-3. S
- 2827 Mortimer loop radio proximity fuze report. Apr. 22, 1944. S
- 2828 A possible method of reducing the undesired parasitic radiation from a vehicle excited transversely, by C. Albert Moreno. Nov. 1, 1943. S
- 2829 A radio proximity fuze: Type MROG. Parts I and II. Apr. 2, 1945. WRL-UF-4. S
- 2831 Report of activity of personnel of the War Research Laboratory in connection with T-132 and T-172 production. Part I by Sam P. Goethe, Alfred S. Khouri and Paul M. Tedder. Sept. 19, 1945. WRL-UF-11. S
- 2834 A study of the possibility of making both loop and longitudinal-type fuzes from the basic University of Florida "MROG" unit, by Alfred S. Khouri. Apr. 3, 1945. S
- GENERAL ELECTRIC COMPANY, Schenectady, N. Y. OEMsr-1109
Projects NO-76B, NO-76R, NO-77B, NO-77R, OD-27, OD-33, SC-36.
- 2841 Design & manufacture of a radio proximity fuze for bomb application; final report. June 1946. S
- 2845 Investigation into the cause of persistent radar echoes from shell bursts, by Lewi Tonks, M. D. Fiske and H. C. Pollock. Mar. 26, 1943. S
- GENERAL ELECTRIC COMPANY, Schenectady, N. Y. OEMsr-1251
See General Electric Company, OEMsr-1109.
- GENERAL INSTRUMENT CORP., Elizabeth, N. J. OEMsr-1437
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- 2849 Generator powered radio proximity fuze, type T-2005; [final technical report] by Muriel E. Pottasch. Aug. 1, 1945. S
- GLOBE-UNION, INC., Milwaukee, Wis. OEMsr-1117
Projects NO-76B, NO-76R, NO-77B, NO-77R, OD-27, SC-38.
- 2852 Generator-powered radio proximity fuze for mortars: Longitudinal excitation type; [final report, Part II] by Alfred S. Khouri. Sept. 1945. A-483. OSRD 6653. S

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UNIVERSITY OF IOWA, Iowa City,
Iowa. OEMsr-769
Projects AC-62, NO-72.1, NO-
72.2, NO-74, NO-75, NO-76B,
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77S, NO-185, OD-26, OD-27,
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2853 Summary technical report.
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fabrication department. S

2854 Abstract of work on squedge-
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James A. Jacobs. Feb. 13,
1943. S

2856 Arming test of Zenith T-172
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field test report nos. 24 and
38 by Carl E. Noble. July 5
and 26, 1945. Title varies. S

2859 BRLG testing program; weekly
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Tyndall and Gordon Mills.
Jan. 17-May 17, 1945. PB-
(1-17)-45. S

2862 Comparison of Globe-Union and
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T4-9-2-45. S

2863 Comparison range test of the
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15 by Carl E. Noble. June
21, 1945. S

2864 Conditioning and testing of
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T4-8-1-45. S

2866 Determination of generator
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E. Noble and Robert B. Allen.
Aug. 4, 9 and 17, 1945. Ti-
tle varies. S

2867 Determination of height of
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Gansert. Aug. 22, 1945. S

2868 A discussion of toss-bombing
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by Robert E. Holland. Aug.
11, 1944. A-S120-ERDS. S

2872 Effect of component changes
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mance, by Thomas P. Hubbard,
jr. Sept. 5, 1945. T4-9-1-
45. S

2880 Excerpts from University of
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5, 1944. A-S117BT. S

2882 Function test of 5 fuze re-
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no. 10 by William E. Nickell.
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2883 Function test of 6 clock fuze
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1945. S

- 2884 Function test of G.U. T132 units, lot no. X-57; field test report nos. 11, 17, 19 and 21 by William E. Nickell and Carl E. Noble. June 14-30, 1945. Title varies. S
- 2885 Function test of G.U. T132 units which had been stored for 10 days at high temperature and ambient humidity, lots GUS-28 and GUX-70; field test report nos. 45 and 47 by Carl E. Noble and Robert B. Allen. Aug. 4, 1945. Title varies. S
- 2886 Further investigation of and development of special electrical and mechanical devices, by John S. Rinehart. Mar. 14, 1945. S
- 2888 Graphs of generator speeds of 3 G.U. T132 units having 3 exhaust ports closed; supplement to field test report no. 28 by Carl E. Noble. Aug. 6, 1945. S
- 2889 Graphs of generator speeds of 3 G.U. T132 units having 6 exhaust ports closed; supplement to field test report no. 23 by Carl E. Noble. Aug. 6, 1945. S
- 2890 Graphs of generator speeds of 4 G.U. T132 units having the heavy CR plates, lot GUS-48; supplement to field test report no. 40 by Carl E. Noble. Aug. 6, 1945. S
- 2894 Integrators; weekly progress reports by James A. Jacobs, Irvin H. Swift and C. J. Lapp. Jan. 29-Oct. 7, 1944. Serial nos. 39A-51A, 58A-69A, A-P120EDR, A-P135ER. S
- 2901 Lot quality test of Globe Union T132 units, lots GU-X-(68-70), GUS-21, -22, -25, -26, -28 and S-18; field test report nos. 12, 16, 18, 23, 28, 31, 32 and 41 by Carl E. Noble and Robert B. Allen. June 16-Aug. 2, 1945. Title varies. S
- 2902 Lot quality test of Zenith T172 units, lots 1-4; field test report nos. 7, 9, 14 and 20 by Carl E. Noble. June 2-30, 1945. Title varies. S
- 2904 Measurement of muzzle velocity; field test report no. 29 by William E. Nickell. July 14, 1945. S
- 2906 Mortar fuze recovery, by William E. Nickell. May 15, 1945. MB-3-1-45. S
- 2908 Noise-bucking problem, T172 fuze; 2d and 3d reports by E. P. T. Tyndall. Aug. 7 and 22, 1945. M5-8-1-45, T5-8-1-45. S
- 2912 Parachute recovery of Globe Union T132 units, lot GUS-28 and GU-X70; field test report nos. 44 and 46 by Carl E. Noble and Robert B. Allen. Aug. 4, 1945. Title varies. S
- 2913 A performance test of 21 G.U. T132 units with vertical plate amplifiers, lot GUS-90; field test report no. 58 by Robert B. Allen. Aug. 21, 1945. S
- 2914 A performance test of Zenith T172 units, lots 1, 2 and 9; field test report nos. 7, 9 and 43 by Carl E. Noble and Robert B. Allen. June 2, 5 and Aug. 3, 1945. Title varies. S

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| <p>2915 A performance test on 50 of the streamlined Globe Union T132 units, lot GUS-61; field test report no. 42 by Robert B. Allen. Aug. 3, 1945. S</p> <p>2916 A possible cause for duds in the G[lobe] U[nion] T132 unit; field test report no. 49 by Robert B. Allen. Aug. 7, 1945. S</p> <p>2917 Preliminary investigation of amplifier trouble in T132 fuzes after storage at high temperature, high humidity, by Thomas P. Hubbard, jr. Aug. 21, 1945. T4-8-2-45. S</p> <p>2921 Range and flight time test of standard [and hybrid] rounds M56 and M43 mortar shell; field test report no. 27 by William E. Nickell. July 7, 1945. S</p> <p>2922 Rectifier assemblies, by William E. Nickell. Mar. 16, 1945. TB-3-1-45. S</p> <p>2929 A safety test of 100 unarmed G.U. T132 units; field test report no. 34 by Robert B. Allen. July 20, 1945. S</p> <p>2932 A spin test of G.U. T132 fuzes, by Thomas P. Hubbard, jr. July 23, 1945. M4-7-1-45. S</p> <p>2933 [Studies and experimental investigations in connection with development work on special electronic devices and associated equipment] Weekly progress reports. May 15-Aug. 24, 1945. P-(18-33)-45. S</p> | <p>2934 Summary of BRLG testing program at University of Iowa, by G. H. Mills and R. E. Holland. May 11, 1945. T4-5-1-45. S</p> <p>2936 Summary of rectifier aging test at the State University of Iowa, by Harold Shoemaker. Aug. 14, 1945. T4-6-2-45. S</p> <p>2937 Summary of T50 testing program at University of Iowa, by E. P. T. Tyndall, G. H. Mills and R. E. Holland. May 1, 1945. A-347. OSRD 6081. S</p> <p>2942 A test comparing compressibility of two types of inert filler for mortar shells; field test report no. 39 by Robert B. Allen. July 27, 1945. S</p> <p>2945 A test of function of five fuze recovery units, type B; safety of one fuze recovery unit; and visibility of splash of three inert rounds; field test report no. 10 by Carl E. Noble. June 9, 1945. S</p> <p>2946 Test of 3 Globe Union T132 units, lot GUX-47; field test reports no. 8 by Carl E. Noble. June 4, 1945. S</p> <p>2947 A test of 10 G[lobe] U[nion] T132 units which had been stored at high temperature and high humidity, lot GUS-28 and 30; field test report nos. 53-55, 57 and 61 by Carl E. Noble and Robert B. Allen. Aug. 13-29, 1945. Title varies. S</p> <p>2948 A test of 11 G[lobe] U[nion] T132 units for function, lot GUX-57; field test report no. 11 by Carl E. Noble. June 14, 1945. S</p> |
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| <p>2949 A test of 11 G[lobe] U[nion] T132 units, which had been centrifuged, lot GUS-32; field test report no. 56 by Robert B. Allen. Aug. 17, 1945. S</p> <p>2950 Test of the effect of a new generator on the operation of the T172 unit; field test reports no. 35 by Carl E. Noble. July 20, 1945. S</p> <p>2951 A test of the effect of bour-relet on the performance of M-56 shells; field test report no. 30 by Robert B. Allen. July 14, 1945. S</p> <p>2952 A test of the effect of firing on magnetization of M56 and M43 shells; field test report no. 36 by Robert B. Allen. July 20, 1945. S</p> <p>2953 A test of the effect of heavier CR plates on the functioning of G.U. T132 units, lot no. GUS-48; field test reports no. 40 by Robert B. Allen. July 30 and 31, 1945. S</p> <p>2954 A test of the visibility of puff from a charge of black powder; field test report no. 4 by Carl E. Noble. May 24, 1945. S</p> <p>2955 A test of type A-1 parachute recovery unit and of compressibility of inert loading of M56 mortar shell; field test report no. 33 by Robert B. Allen. July 19, 1945. S</p> <p>2956 A test of 11 type C parachute recovery devices; field test report no. 51 by Robert B. Allen. Aug. 9, 1945. S</p> | <p>2957 A test of Zenith T172 units, lots 10 and 11; field test report nos. 52 and 59 by Robert B. Allen. Aug. 10 and 22, 1945. S</p> <p>2959 A test to determine wall thickness at which collapse will occur with M57 shells; field test report no. 37 by Robert B. Allen. July 20, 1945. S</p> <p>2960 A test to familiarize Clinton Field Station personnel with loading, shooting, and spotting rounds; field test report nos. 1-3 and 5-6 by Carl E. Noble. May 19-30, 1945. Title varies. S</p> <p>2965 Wind tunnel tests of a T-172 fuze on an M-43 shell with an M-56 tail, by R. E. Holland. June 20, 1945. T4-6-1-45. S</p> <p>NATIONAL BUREAU OF STANDARDS, Washington, D. C.
Projects AC-36, AC-62, CWS-19, CWS-22, NO-5, NO-34.1, NO-76B, NO-76R, NO-77B, NO-77R, NO-77S, NO-111, NO-185, OD-26, OD-27, OD-33, OD-50, OD-112, SC-38, SC-40.</p> <p>2983 The adaptation of the photo-electric fuze to a generator power supply; preliminary report by John F. Streib, David Feldman and Willis E. Armstrong. Apr. 30, 1943. Memorandum no. 29-P. S</p> <p>2984 Additional radiation resistance data on the HVAR, AR-3.5 and AR-5 rockets, by Otto E. Spokas. May 1, 1945. OD-7-202M. S</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- 2988 Afterburning; progress report by H. F. Stimson. Apr. 9, 1943. OD-1-AB9. S
- 2990 Afterburning from rocket motors and malfunctioning of VT fuzes; summary report by H. F. Stimson. Oct. 15, 1945. OD-1-896. S
- 2991 Afterburning tests on Budd motors at Blossom Point, by Allen V. Astin. Dec. 23, 1942. Memorandum no. 3-T. S
- 3000 Amplifier characteristics for T-6 application, by Charles J. Apolenis and Robert D. Huntoon. Mar. 7, 1944. OD-3-107. S
- 3001 Amplifier for T-2004 unit, by Cleo Brunetti and George Nordquist. Apr. 2, 1945. OD-5-770. S
- 3002 Amplifier hum suppression, by Robert D. Huntoon and Philip R. Karr. June 9, 1944. OD-3-158. S
- 3005 Amplifier with hum-bucking feature for White RGD, by Philip R. Karr. Aug. 8, 1944. OD-3-28M. S
- 3013 Analysis of the BS-4 detonator, by Charles Ravitsky. Mar. 7, 1945. OD-2-BE-73R. S
- 3020 Antenna efficiency of K-4 at 103 Mc, by Robert D. Huntoon. Feb. 6, 1943. Memorandum no. 19-R. S
- 3023 Apex performance of the T-171 mortar fuze with RC arming delay, by Philip Krupen. May 5, 1945. OD-3-242. S
- 3025 Approach function test on projectiles with matched powder loads (155-10, 25 units), by D. W. Scott. May 27, 1944. OD-1-287. S
- 3026 Approximate HVAR amplifier characteristics, by W. L. Kraushaar. Sept. 21, 1944. OD-3-179. S
- 3027 Arming considerations for HVAR, by Bertrand J. Miller. July 12, 1944. OD-BE-17M. S
- 3028 Arming considerations in T-6, by Bertrand J. Miller and Philip R. Karr. Jan. 22, 1944. OD-3-74. S
- 3032 Arming resistor for T-5, by Robert D. Huntoon. Feb. 22, 1944. OD-3-101. S
- 3033 Arming test; 18 Westinghouse T-82 units, lot 25, on M-81, M-64 and M-65 (CB-474), by G. Rabinow. Apr. 19, 1945. OD-1-715. S
- 3034 Arming tests; G[lobe] U[nion] T-132 units, lots S-6, X-51 and X-(54-56), by G. Rabinow and D. C. Friedman. May 3-July 23, 1945. Report nos. OD-1-731, 740, 774, 776, 783, 847. Title varies. S
- 3036 Audio limiter, by W. A. Yates. Oct. 29, 1945. OD-1-TM5. S

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| <p>3039 Ballistic test; M-43/56 shell with various fuzes (JR-12), by G. Rabinow. May 8, 1945. OD-1-737. S</p> <p>3040 Ballistic test of 22 units for MRLG nose design (WBM-18), by D. C. Friedman. Apr. 18, 1944. OD-1-248. S</p> <p>3041 Ballistics of Mk 1 and Mk 7 motors with T-50 and T-51 units and slip factor data for various vehicles, by D. C. Friedman and G. L. Rabinow. Dec. 21, 1944. OD-1-591. S</p> <p>3042 Basic theory of the radio proximity fuze, by Philip R. Karr. May 25, 1945. S</p> <p>3045 Behavior of 11-A amplifier at 5,000 C.P.S., by Philip R. Karr and George Nordquist. May 25, 1944. OD-3-156. S</p> <p>3046 Bell Telephone Laboratory microwave radio fuze for bombs, by Harry M. Diamond. Apr. 8, 1944. S</p> <p>3061 BRLG generator speeds for several combinations of vehicle, propeller lead and manufacturer, by D. C. Friedman. May 22, 1944. OD-1-256. S</p> <p>3063 BRLG tuning on various vehicles, by Bertrand J. Miller and Charles C. Gordon. Mar. 3, 1944. OD-3-106. Addendum, Mar. 20, 1944. OD-3-106A. S</p> <p>3064 BRLG-10A, by F. Lamar Cooke. Feb. 3, 1944. OD-3-94. S</p> <p>3066 BRTG specification, by Harry M. Diamond. Sept. 14, 1944. S</p> | <p>3069 The BRTG-T1B amplifier, by Ralph Stair and Glenn L. Scillian. Dec. 7, 1944. OD-3-204. S</p> <p>3071 BS-5 detonators fired with 1.5 microfarad condenser, by Charles C. Gordon. Apr. 2, 1945. OD-1-699. S</p> <p>3075 Calculations concerning radius of action in plane-to-plane application, by Bertrand J. Miller. Nov. 14, 1944. OD-BE-82M. S</p> <p>3081 Causes of non-proper functions of MRLG units, by Philip Krupen. June 14, 1945. OD-3-262. S</p> <p>3083 Centrifuge tests of Globe-Union T-132 units, lot X50, by M. G. Domsitz, Robert Joel and Richard A. Silverman. May 7 and 24, 1945. OD-A-153M, OD-3-250. Title varies. S</p> <p>3089 Change in T-91 amplifier to obtain longer trimmer condenser, by Clelio Brunetti and George Nordquist. Apr. 2, 1945. OD-5-769. S</p> <p>3091 Characteristics and performance of PDTG radio proximity fuze on 4½-in. Army rocket M8 as an area-blanketing weapon, by Alexander Orden. Oct. 13, 1944. A-295. OSRD 4268. S</p> <p>3097 Code designation for bombs, by Lauriston S. Taylor. Apr. 7, 1943. Memorandum no. 145-T. S</p> <p>3105 Comparison of OD and RGD circuits, by R. B. Schwartz. July 29, 1944. OD-BE-13R. S</p> |
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| <p>3106 Comparison of radiated power of OD and RGD oscillators, by R. F. Morrison, jr. July 17, 1944. OD-BE-7R. S</p> <p>3108 Comparison of sensitivity of OD and RGD of R.F. counter-measures, by Robert D. Huntoon and Albert Weiss. June 22, 1944. OD-BE-2. S</p> <p>3109 A comparison of several makes of MC-382 fuze with respect to early, target, and late functions and duds occurring in qualification and production lot acceptance tests, by T. N. White. May 13, 1943. Memorandum nos. 220-T, 282-T. S</p> <p>3112 Compensated resistors for tuning and loading standards by E. Eisner and Paul T. Hawes. May 24, 1944. OD-3-154. S</p> <p>3116 Component specifications for BRLG-11A, by Robert D. Huntoon. Dec. 2, 1943. OD-3-39. S</p> <p>3119 Computation of burst heights of longitudinally-excited bomb fuzes, by R. B. Schwartz. Aug. 7, 1945. OD-3-281. S</p> <p>3120 Computation of expected radius of action, by Chester H. Page. Nov. 6, 1944. OD-3-53M. S</p> <p>3121 Computed operating heights of radio ground approach fuzes for the 100-lb demolition bomb, by Clelio Brunetti. May 21, 1942. A-55. OSRD 602. S</p> <p>3130 Correlation between "early" scores and the noise margin test, by P. R. Karr. July 21, 1945. OD-3-279. S</p> | <p>3145 Desiderata of T-32 GU, by Chester H. Page. Sept. 22, 1944. OD-3-40M. S</p> <p>3146 Design curves for BRLG-11A, by F. Lamar Cooke and Robert D. Huntoon. Dec. 3, 1943. OD-3-40. S</p> <p>3147 Design details of T-32 and T-132 fuzes, by Harry M. Diamond. Nov. 11, 1944. S</p> <p>3148 Design of generator-powered radio fuze, by Chester H. Page and F. Stanley Atchison. May 29, 1943. Engineering report no. 1-R. S</p> <p>3150 Design of special targets, by Robert D. Huntoon. May 12, 1943. Memorandum no. 44-R. S</p> <p>3154 Detonator circuit, by Charles Ravitsky. Mar. 7, 1945. OD-3-BE-74R. S</p> <p>3161 A device for the measurement of the absolute sensitivity of an end-fed axially-excited radio proximity fuze, by William L. Kraushaar and Robert D. Huntoon. Feb. 11 1943. A-143. OSRD 1247. S</p> <p>3172 Displaced image rangefinder goggles, by William L. Whitson. Feb. 14, 1944. OD-4-33. S</p> <p>3173 Disposition of recovered T-132 units, by C. J. Apolenis. May 15, 1945. OD-3-243. S</p> <p>3178 Double lenses; progress report by Fred L. Mohler. July 17, 1943. S</p> <p>3181 Dummy antennas, by Robert D. Huntoon. Apr. 20, 1944. OD-3-133. S</p> |
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- 3183 Early functioning of M-3 fuzes. Purge pellet field test no. 5, by L. C. Miller. Oct. 6, 1943. OD-1-22. S
- 3184 Early functioning of MC-382 fuzes; purge pellet field tests nos. 6-8, by L. C. Miller, T. N. White and R. R. Vorkink. Oct. 13 and Nov. 19, 1943. Report nos. OD-1-24, 42. Title varies. S
- 3185 Early functioning of T-5 units. Tests of powder lots, motor lots, igniters, traps, by D. W. Scott and T. N. White. Revised. Sept. 22, 1944. OD-1-227. S
- 3187 Early functions of MC-382 radio-operated plane-to-plane rocket fuze; progress report by Bertrand J. Miller and Robert D. Huntoon. June 8, 1943. OD-AB2. S
- 3188 Early functions with MC-382 fuze. Further testing with sweeps and with powders, by T. N. White. Mar. 27, 1943. OD-1-AB6. S
- 3190 Effect of amplifier shape on function height of T50E-10, by Philip R. Karr. Aug. 11, 1944. OD-3-172. S
- 3191 Effect of bayonet and bag igniters on functioning of T-5 fuze (155-14, 100 units), by D. W. Scott. July 19, 1944. OD-1-408. S
- 3193 Effect of component tolerances on performance of BRLG-11A, by Robert D. Huntoon. Dec. 7, 1943. OD-3-46. S
- 3200 Effect of ground reflection on BRLG performance, by Charles J. Apolenis and Robert D. Huntoon. Nov. 2, 1943. OD-3-19. S
- 3201 Effect of key components on amplifier response characteristics, by George Nordquist. July 16, 1945. OD-3-275. S
- 3209 Effect of potting upon amplifier shaping, by Philip R. Karr and George Nordquist. Aug. 17, 1944. OD-3-175. S
- 3210 Effect of powder lot on afterburning and slivers, by L. C. Miller. Mar. 18, 1943. OD-1-AB2. S
- 3211 Effect of rain upon the performance of VT fuzes, T-5 and T-6; summary report by Theodore B. Godfrey. Mar. 13, 1945. OD-1-669. S
- 3212 Effect of rocket spin upon the performance of VT fuzes T-4, T-5, T-6, by Theodore B. Godfrey. Mar. 13, 1945. OD-1-668. S
- 3213 Effect of rotation upon the operation of the SW-230 switch, by Charles C. Gordon. Apr. 30, 1945. OD-1-729. S
- 3223 Effect of various antenna rings on the radiation resistance of the M56 mortar and the M43 mortar with the M56 tail, by Otto E. Spokas. Apr. 2, 1945. OD-BE-127M. S
- 3226 Effects on bomb damage of dispersion in height of burst, by Robert D. Huntoon. Sept. 27, 1943. A-74M. OSRD 1867. S
- 3228 Electrical and noise test on ten Globe-Union T-132 units, lot X18, by Charles J. Apolenis. Mar. 15, 1945. OD-3-229. S

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| <p>3229 Electrical design considerations for T-30, by William L. Kraushaar, Bertrand J. Miller and R. B. Schwartz. Dec. 5, 1944. OD-3-203. S</p> | <p>3250 Evaluation of air-burst bombs for clearance of mine fields; an interim report on first phase of experimental investigation, by Robert D. Huntoon. Sept. 5, 1944. A-291. OSRD 4100. S</p> |
| <p>3230 Electrical design considerations for the mortar fuze T-132, by William L. Kraushaar and Charles J. Apolenis. Jan. 5, 1945. OD-3-207. S</p> | <p>3253 Expected radius of action for T30, by Bertrand J. Miller and Franklin M. Fletcher. Nov. 3, 1944. OD-BE-53R. S</p> |
| <p>3231 Electrical interaction of T-50 fuzes; Part II by Bertrand J. Miller. Sept. 29, 1944. OD-BE-42R. S</p> | <p>3254 Experimental MC-380 fuzes fired against small flat target, North Range, Corncake, by T. N. White and Allen V. Astin. July 7, 1943. Memorandum no. 337-T. S</p> |
| <p>3232 Electrical properties of British 4000-lb bomb, by Harry M. Diamond. Aug. 26, 1944. OD-BE-42M. S</p> | <p>3255 Experimental measurement of the effect of an imperfect reflector on the induction field sensitivity of a radio proximity fuze, by Otto E. Spokas, Charles C. Gordon and Robert D. Huntoon. Nov. 25, 1943. OD-3-36. S</p> |
| <p>3237 The 11-N-2 medium band amplifier, by George Nordquist. Jan. 8, 1945. OD-3-208. S</p> | <p>3257 Experimental production of high-gain modified White amplifiers, by Philip R. Karr. Nov. 8, 1944. OD-3-194. S</p> |
| <p>3238 11 T-5 and 11 T-6 units on Revere Phase II motors with spring-operated fins (HFS-5), by D. C. Friedman. Feb. 26, 1944. OD-1-171. S</p> | <p>3260 Experiments on early functioning with Revere motors. Mar. 31, 1943. OD-1-AB7. Contents.--I. Soldering of fin retaining rings.--II. Tests of powder lot no. 9978. --III. Soldering of fins in open position, by L. C. Miller. S</p> |
| <p>3248 Estimates of damage to military aircraft from a head-on burst of HVAR 5" rocket shell as a function of the radius of action of the fuze, by B. M. Bennett. Revised. Jan. 8, 1945. OD-AG-54. S</p> | <p>3261 Experiments with standard MC-382 fuzes converted to reaction type fuzes with grid detection (RGD fuze), by Philip Krupen and W. S. Hinman, jr. Nov. 15, 1943. OD-3-27. S</p> |
| <p>3249 Estimate of radius of action of T-30 from steady state computations, by R. F. Morrison, jr., Thomas M. Marion and Franklin M. Fletcher. Dec. 4, 1944. OD-BE-56R. S</p> | <p>3262 Experiments with the RGD circuit applied to BRIG-8, by William L. Kraushaar. Dec. 9, 1943. OD-3-48. S</p> |

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| <p>3264 Field performance for various manufacturers' production units, by Clelio Brunetti. July 6, 1944. OD-5-12M. S</p> <p>3265 Field test. 8 lots of pellets (155-1), by R. R. Vorkink. Jan. 29, 1944. OD-1-125. S</p> <p>3266 Field test. 18 Emerson T-92 units, lot CEX-129 (CB-482), by R. Vorkink. May 21, 1945. OD-1-755. S</p> <p>3267 Field test. 25 MC-382 Type S units and 25 standard MC-382 units (CB-148), by R. R. Vorkink. Mar. 15, 1944. OD-1-197. S</p> <p>3268 Field test. 34 reserve batteries and 6 control rounds, by D. W. Scott. May 30, 1944. OD-1-335. S</p> <p>3269 Field test. Arming time of T-5 on T-22 fired from spiral launcher (TBG-100; 5 units), by D. W. Scott. Mar. 28, 1945. OD-1-689. S</p> <p>3270 Field test. Ballistics of T-25 mortar shells (MX-24), by G. Rabinow. Nov. 29, 1945. OD-1-901. S</p> <p>3271 Field test. Ballistics of 36 GU and GU/NBS T-132 with various noses (JR-26), by D. C. Friedman. July 19, 1945. OD-1-835. S</p> <p>3272 Field test. Bowen T-50 and 12 Zenith T-51 on Mk-1 (TBG-47), by D. W. Scott. Oct. 13, 1944. OD-1-522. S</p> <p>3273 Field test. Bowen T-50 E10 units (ten set to function on arming), lot 141, by R. R. Vorkink. Dec. 14, 1944. OD-1-585. S</p> | <p>3274 Field test. Effect of rocket spin on T-5 performance, by D. W. Scott. Mar. 21, 1945. OD-1-677, OD-1-678. Title varies. S</p> <p>3275 Field test. Effect of trap length on incidence of early functions (155-21; 60 units), by D. W. Scott. Mar. 29, 1945. OD-1-691. S</p> <p>3276 Field test. 22 G.E. BRIG-8 units (CB-102), by R. R. Vorkink. Feb. 28, 1944. OD-1-172. S</p> <p>3277 Field test. G.E. MC-382 with 10A amplifier, by D. W. Scott. July 21 and 27, 1944. Report nos. OD-1-404, 423. Title varies. S</p> <p>3278 Field test. 3 G[lobe] U[n-ion] T-132 from Picatinny packaging test and 5 control units, lot X24 (CHP-39), by D. C. Friedman. May 17, 1945. OD-1-752. S</p> <p>3279 Field test. 5 Globe Union T-132 fuzes and 7 T-32 reporters on Mk 7 (TBG-74 and JR-2), by D. W. Scott. Dec. 8, 1944. OD-1-583. S</p> <p>3280 Field test. Globe Union T-132 on M-56, by D. C. Friedman. Feb. 23, 27 and Apr. 27, 1945. Report nos. OD-1-662, 663, 723. Title varies. S</p> <p>3281 Field test. 5 G[lobe] U[n-ion] T-132 recovered by parachute from previous firing (WSH-11), by D. C. Friedman. Apr. 5, 1945. OD-1-702. S</p> <p>3282 Field test. 12 G[lobe] U[n-ion] T-132 reporters (CHP-56), by D. C. Friedman. June 26, 1945. OD-1-801. S</p> |
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| <p>3283 Field test. Globe Union T-132 units, lots S4, S9, S11, S12, X25, X27-X31, X33, X42, by G. Rabinow and D. C. Friedman. Apr. 26-July 3, 1945. Report nos. OD-1-724, 725, 728, 743, 812. Title varies. S</p> <p>3284 Field test. 10 G[lobe] U[n-ion] T-132 units on M9A1, lot X51 (CHP-44), by G. Rabinow. June 5, 1945. OD-1-772. S</p> <p>3285 [Field test. 20 Globe Union T-132 units, 6 NBS T-171 units; firings on the M43C at Blossom Point] CHP-48, 49 and 53, by P. R. Karr. July 19, 1945. OD-3-277. S</p> <p>3286 Field test. Globe-Union T-132 units with reduced exhaust area, lots S4, S9, S11, S12, by G. Rabinow and D. C. Friedman. June 29 and July 5, 1945. Report nos. OD-1-808, 822. Title varies. S</p> <p>3287 Field test. 24 G[lobe] U[n-ion] T-132, various lots, on M56 with 2-inch tail extension (JR-19), by D. C. Friedman. June 26, 1945. OD-1-798. S</p> <p>3288 Field test. Modified fins (TBG-24; 30 units), by D. W. Scott. Apr. 25, 1944. OD-1-259. S</p> <p>3289 Field test. MRLG reporters on M-30, by D. C. Friedman and D. W. Scott. June 1 and 12, 1944. Report nos. OD-1-341, 349. Title varies. S</p> <p>3290 Field test. 7 MROG on M-43 with M-56 tail and ballistic data for MROG (TBG-84), by D. C. Friedman. Jan. 11, 1945. OD-1-623. S</p> | <p>3291 Field test. MROG reporters on M-30, by D. C. Friedman. June 26 and Nov. 14, 1944. Report nos. OD-1-391, 560. Title varies. S</p> <p>3292 Field test. 15 NBS and 24 Globe Union MRLG on M43-M56 combination (WSH-1 and -2), by D. C. Friedman. Feb. 22, 1945. OD-1-658. S</p> <p>3293 Field test. 12 NBS and 5 Globe Union MRLG reporters (WBM-35), by D. W. Scott. July 28, 1944. OD-1-435. S</p> <p>3294 Field test. 8 NBS BRTG-P4B (AVA-33), by D. C. Friedman. June 13, 1944. OD-1-371. S</p> <p>3295 Field test. 3 NBS T-132 units, lot 2 (CB-405), by R. R. Vorkink. Nov. 27, 1944. OD-1-571. S</p> <p>3296 Field test. 49 Philco MC-382 Type-S units. 49 Friez and Philco standard MC-382 units (controls), by R. R. Vorkink. Mar. 8, 1944. OD-1-189. S</p> <p>3297 Field test. Philco T-50 E1 reporters with "doughnut" arming rings (JR-5, 12 units), by D. W. Scott. Feb. 22, 1945. OD-1-660. S</p> <p>3298 Field test. 27 Philco T-50E-1 with metal propellers (PX-5), by D. C. Friedman. July 17, 1944. OD-1-405. S</p> <p>3299 Field test. 140 Philco T-91, lot PA-307-1 and 120 Emerson T-92, lot PA-306-2, by R. R. Vorkink. July 9, 1945. OD-1-825. S</p> |
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| <p>3300 Field test. Rotation of M-9A1 with hand-crimped fins (HFS-12), by D. W. Scott. Dec. 18, 1944. OD-1-588. S</p> | <p>3309 Field test. Toss-bombing, by D. C. Friedman. July 14, 1944. OD-1-401. S</p> |
| <p>3301 Field test. Shaker tested G.E. MC-382-10A (HFS-15; 100 units), by D. W. Scott. Aug. 24, 1944. OD-1-477. S</p> | <p>3310 Field test. 8 Westinghouse BRTG-T1B (AVA-32), by D. C. Friedman. June 20, 1944. OD-1-379. S</p> |
| <p>3302 Field test. SW200 0.7 sec. switches. Photographic method for timing early functions in high angle firing, by D. W. Scott. Apr. 20, 1944. OD-1-237. S</p> | <p>3311 Field test. Westinghouse T-82 units, lots 2, 16-18 and 25, by R. R. Vorkink. Apr. 4 and May 8, 1945. Report nos. OD-1-694, 733, 736. Title varies. S</p> |
| <p>3303 Field test. T-5 and T-6 on projectiles with loose joints (HFS-6; 99 units), by D. W. Scott. July 8, 1944. OD-1-395. S</p> | <p>3312 Field test. Zell BRLG-11A units, by L. C. Miller and R. R. Vorkink. Feb. 24 and 28, 1944. Report nos. OD-1-164, 169, 174. Title varies. S</p> |
| <p>3304 Field test. T-5 on projectiles with bubble-wire traps (completion of 155-8; 22 units), by D. W. Scott. June 19, 1944. OD-1-368. S</p> | <p>3313 Field test. Zenith T-51 units, lots 14, 18-21, 23, 24, 26, 27, 53 and ZX-9, by R. R. Vorkink, D. W. Scott, D. C. Friedman and G. Rabinow. Oct. 21-30, 1944, Jan. 19 and May 18, 1945. Report nos. OD-1-534, 536, 540, 542, 547, 626, 749. Title varies. S</p> |
| <p>3305 Field test. T-5 on projectiles with crimped and brazed fins (HFS-13; 100 units), by D. W. Scott. July 17, 1944. OD-1-403. S</p> | <p>3314 Field test results: Bomb (experimental). [194-] OD-2-224. S</p> |
| <p>3306 Field test. T-5 on projectiles with salted powder and bubble-wire traps (155-13; 151 units), by D. W. Scott. July 10, 1944. OD-1-397. S</p> | <p>3315 Field test results: Mortar (experimental), by Paul F. Bartunek and C. F. Smolen. Apr. 23, 1945. OD-7-112. S</p> |
| <p>3307 Field test. 50 T-6 units on rigid-fin projectiles (TBG-25), by D. W. Scott. May 15, 1944. OD-1-280. S</p> | <p>3316 Field test results: Mortar (experimental). Arming time tests. June 23 and July 14, 1945. OD-2-230. S</p> |
| <p>3308 Field test. 10 T-132 reporters on the M43-M56 combination (WSH-7), by D. C. Friedman. Mar. 24, 1945. OD-1-686. S</p> | <p>3317 Field test results: Mortar (Globe Union T132). June 18, 26 and Sept. 27, 1945. OD-2-229. S</p> |

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| <p>3318 Field test results: Rocket (experimental). Plane-to-ground tests. Aug. 24, 1945. OD-2-269. S</p> <p>3322 Fifty T-5 on M-9A1 with clamp-on fixed fins (155-15), by D. W. Scott. Sept. 5, 1944. OD-1-486. S</p> <p>3323 58 fuzes, RRP-M3, MC-382-D (Philco). Test for early functioning with different powder weights, by R. R. Vorkink. Aug. 26, 1943. OD-1-AB16. S</p> <p>3325 Final test data for Globe-Union T-132 units, lots X15, X16 and X17, by Charles J. Apolenis. Mar. 8, 1945. OD-3-228. S</p> <p>3326 Final test data on Globe-Union T-132 units centrifuged at 7500 G, by Charles J. Apolenis. May 15, 1945. Report nos. OD-3-244, 246. S</p> <p>3328 Fire bombs tried at Eglin Field with VT fuzes, by T. N. White. July 13, 1945. OD-2-255M. S</p> <p>3336 Flight test. Bowen T2004 on 3.5-in. AR (TBG-107; 30 units), by D. W. Scott. Apr. 12, 1945. OD-1-707. S</p> <p>3337 Flight test. T-5 fuzes on T-22 rockets with EJA propellant (203 units; 155-23), by D. W. Scott. Jan. 4, 1945. OD-1-614. S</p> <p>3338 Flight test. T-32 reporter units on Mk-7 (JR-3), by D. W. Scott. Jan. 11, 1945. OD-1-618. S</p> | <p>3344 14 G[lobe] U[nion] T-132, lots X15-17, X19-20 (WSH-9-10), by D. C. Friedman. Mar. 29 and Apr. 2, 1945. Report nos. OD-1-692, 696. Title varies. S</p> <p>3345 40 Bowen T-50 E10 on refrigerated Mk 7 (TBG-42), by D. W. Scott. Oct. 20, 1944. OD-1-529. S</p> <p>3346 47 MC-382-Philco fuzes. Test for mal-function with special fin motors (no locking burr), by R. R. Vorkink. Sept. 2, 1943. OD-1-1. S</p> <p>3380 Fuze, rocket, P.D., T6 (MC-382, with 5-8 second arming time) range, dispersion and water approach function, by D. C. Friedman. July 28, 1943. Memorandum no. 388-T. S</p> <p>3408 Fuze, RRP-M3, MC-382-Philco; test for ride-through with various powders and firing angles, by R. R. Vorkink. Aug. 5, 1943. Memorandum no. 383-T. S</p> <p>3409 Fuze, RRP-M3, MC-382-Philco; tests with eccentric and with non-eccentric powder, high-angle firing, Corncake, by R. R. Vorkink. [June 1943] Memorandum no. 338-T. S</p> <p>3427 Graphical summary of laboratory performance of Zell BRLG-11A-RGD units. June 19, 1944. OD-5-538. S</p> <p>3434 Heights of function with proposed universal amplifier for mortar application; preliminary report by P. R. Karr, M. L. Scott and G. Nordquist. Apr. 4, 1945. OD-3-235P. Addendum, Apr. 16, 1945. S</p> |
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| <p>3435 High-altitude test, Zenith T-51 units, lots ZX-(1-3) ball bearings in nose or generator, by G. Rabinow. Mar. 24 and Apr. 12, 1945. Report nos. OD-1-684, 701. Title varies. S</p> <p>3436 High-angle and target tests of 29 Bowen T-50, 10 T-5 units on T-22, modified for 6-ft. helical launcher (TBG-99), by B. M. Bennett. Oct. 8, 1945. OD-1-895. S</p> <p>3438 High-angle firing with MC-382 fuzes, by L. C. Miller. Apr. 17, 1943. OD-1-AB11. Contents.--A. Early function tests. 1. Detuning of units. 2. Use of sweeps and plugs.--B. Tests of mechanical S.D. switches. S</p> <p>3439 High angle night firing with powders A-20, A-21, and A-22: afterburning: burning distances, by H. F. Stimson. May 13, 1943. OD-1-AB14. S</p> <p>3440 High-angle test of effect of motors and traps on early function [at] Blossom Point, by D. W. Scott. Apr. 22, 1944. OD-1-253. S</p> <p>3441 High angle test of pellets and salted powders (REG155-9, in part) (157 units), by D. W. Scott. Apr. 18, 1944. OD-1-241. S</p> <p>3442 High angle test of salted powder, (completion of 155-9, 18 units), by D. W. Scott. May 3, 1944. OD-1-274. S</p> <p>3443 A high-gain amplifier employing a twin triode tube, by Thomas M. Marion. Oct. 18, 1944. OD-BE-47R. S</p> | <p>3457 Incidence of early functions with P.O.D. type fuzes (Westinghouse model) and MC-382 fuzes (various manufacture). Comparisons based on target function and high-angle firing tests, by T. N. White. May 1, 1943. OD-1-AB12. S</p> <p>3458 Incorporation of RC arming for T-30, by William L. Kraushaar. Oct. 20, 1944. OD-3-48M. S</p> <p>3459 Induction field of finite antennas, by Chester H. Page. Nov. 19, 1943. OD-3-33. S</p> <p>3460 Induction field sensitivity, by Chester H. Page. Nov. 16, 1943. OD-3-30. S</p> <p>3461 Informal report of performance of T-50 fuzes in Pacific Ocean area, by F. Stanley Atchison. Mar. 22, 1945. OD-A-66M. S</p> <p>3476 Jamming of radio proximity fuzes; preliminary analysis by Robert D. Huntoon. June 23, 1942. A-42M. OSRD 650. S</p> <p>3480 Laboratory and field tests on RPEB-2 fuze, by Allen V. Astin and Alexander Orden. Oct. 23, 1943. OD-2-3. S</p> <p>3481 Laboratory test of 26 Westinghouse T-82 units of lot nos. 16, 17, and 18, by Max Shufer. Apr. 4, 1945. OD-5-772. S</p> <p>3495 Linearity of 11-A amplifier, by George Nordquist. May 13, 1944. OD-3-148. S</p> |
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- 3498 Loading device for BRTG units, by L. A. Riley and G. J. Tedore. Dec. 26, 1944. OD-5-88M. S
- 3500 Lot quality test of 12 Philco AN/CPQ-3 (T30) units, lot PX-29 (TBG-95), by G. Rabinow. Mar. 2, 1945. OD-1-664. S
- 3501 Lot quality tests, Globe-Union T-132 units, lots S2, S4-S7, S9-S12, S14, S15, S17, S19, S20, X35, X36, X38-X41, X43, X46, X48, X49, X52, X54, X55, X57, X59, X60, X62, X63, by G. Rabinow and D. C. Friedman. May 11-July 19, 1945. Report nos. OD-1-745, 761, 779, 782, 785, 787, 804, 817, 846. S
- 3503 Low frequency operation of bomb fuzes, by R. B. Schwartz. June 7, 1945. OD-3-258. S
- 3512 Mathematical investigation of some phases of toss bombing, by [Philip R. Karr] Mar. 26, 1943. S
- 3514 MC-382 fuze performance as affected by motors with non-locking type fins, by T. N. White, L. C. Miller, R. R. Vorkink and D. C. Friedman. Oct. 15 and Nov. 4, 1943. Report nos. OD-1-27, 40. Title varies. S
- 3522 Measurement of the reflection coefficient of the new bombing range at Aberdeen Proving Ground, by Otto E. Spokas. Jan. 29, 1944. OD-3-90. S
- 3524 Measurement of vibration amplitude of MRLG units, by Abraham Chartock. June 14, 1944. OD-4-73. S
- 3537 Microphonic stability of oscillator-diode type of fuze circuit, by Robert D. Huntoon. Mar. 22, 1944. OD-3-117. S
- 3540 Mid-functioning, by H. F. Stimson. June 5, 1944. S
- 3543 Minimum useful range for T-6, by Robert D. Huntoon. Feb. 9, 1944. OD-3-98. S
- 3547 Modification of T-30 amplifier, by George Nordquist. Mar. 2, 1945. OD-3-88M. S
- 3549 A modified method of scanning phonograms, by J. J. Hopfield. Feb. 5, 1944. OD-1-130. S
- 3553 MRLG apex firing and generator regulation, by Chester H. Page. May 9, 1944. OD-3-142. S
- 3556 Mutual interaction in BRLG units dropped in close spaced train, by Bertrand J. Miller. Sept. 11, 1944. OD-BE-44M. S
- 3557 Mutual interference of proximity fuze MC-382 and aircraft transmitter SCR-522, by W. L. Kraushaar, Albert Weiss and Robert D. Huntoon. Jan. 27, 1943. Memorandum no. 14-R. S
- 3562 New amplifier design - plane-to-plane application, by Robert D. Huntoon. Nov. 29, 1943. OD-3-38. S
- 3566 Nine G.U. T-132, lot X18 (WSH-S), by D. C. Friedman. Mar. 27, 1945. OD-1-688. S

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| <p>3580 129 MC-382 units fired at high angle (HFS-1, 2, and 4), by D. C. Friedman. Jan. 26, 1944. OD-1-119. S</p> | <p>3628 Pole tests on British two-ton vehicles, by Ralph Stair and James H. Barnard. Aug. 24, 1944. OD-3-33M. S</p> |
| <p>3581 164 MC-382 fuzes. Test of effect of purge pellets on early functioning, by R. R. Vorkink. Sept. 30, 1943. OD-1-17. S</p> | <p>3631 The possibility of a generator power supply for proximity fuzes, by Allen S. Clarke. Dec. 16, 1942. A-62M. OSRD 1096. S</p> |
| <p>3588 Packaging test of T-132 units, by Charles J. Apolenis. May 3, 1945. OD-3-241. S</p> | <p>3636 Prediction of T-51 burst height, by D. A. Worcester. Nov. 8, 1945. OD-1-TM11. S</p> |
| <p>3592 Parachute recovery tests, GU T-132, various lots, by D. C. Friedman and G. Rabinow. May 12-July 9, 1945. Report nos. OD-1-748, 750, 762, 767, 831. S</p> | <p>3639 Preliminary information on audio amplifier, BRLG-10, by Robert D. Huntoon and F. Lamar Cooke. Sept. 18, 1943. S</p> |
| <p>3596 Performance of BRLG-11A fuze on M-65 and M-66 bombs, by L. C. Miller. Feb. 23 and 24, 1944. Report nos. OD-1-162, 167. Title varies. S</p> | <p>3645 Probability distribution of arming time using "RC" arming, by Charles Ravitsky. Oct. 23, 1944. OD-BE-49R. S</p> |
| <p>3604 Performance of Zell 11-A amplifiers on standard test voltages, by Robert D. Huntoon. Dec. 23, 1943. OD-3-63. S</p> | <p>3646 Probability of sun firing of M-2 fuzes, by Allen V. Astin. Nov. 15, 1943. OD-2-4. S</p> |
| <p>3621 Plane firing of T-30 on Mk 7 (TBG-85B; 23 units), by D. W. Scott. Feb. 7, 1945. OD-1-650. S</p> | <p>3653 Proof performance of BRLG-11A using "snap-on" propellers and production type antenna rings; Emerson lot 26, by L. C. Miller. Feb. 24, 1944. OD-1-170. S</p> |
| <p>3622 Plane firing. Philco T-2004 on T-87 (TBG-119; 20 units), by D. W. Scott. May 10, 1945. OD-1-744. S</p> | <p>3660 Proposed amplifier for T-30, by Philip R. Karr. Dec. 12, 1944. OD-3-205. S</p> |
| <p>3623 Plane to ground firing of T-30 (reduced sensitivity) on 5.0-in. AR (TBG-102; 30 units), by D. W. Scott. Apr. 11, 1945. OD-1-704. S</p> | <p>3668 Proving ground operations and facilities for testing proximity fuzes for bombs and rockets, by Lauriston S. Taylor. July 17, 1942. A-44M. OSRD 719. S</p> |

- 3672 Puff delay, 500-lb. bomb, by Theodore B. Godfrey. Nov. 5, 1943. OD-1-41. S
- 3675 Purge pellet test no. 9 including tests of (1) Combination of motors and propellants, (2) A new "salted" powder, (3) Pressure-control valves, by R. R. Vorkink. Nov. 23, 1943. OD-1-59. S
- 3676 A quasi-Hartley plate-loaded RGD oscillator, by Paul Miller and Richard F. Mills. Mar. 20, 1945. OD-3-232. S
- 3679 Radiation effects of setback arming device for rockets, by B. J. Miller. Feb. 1, 1945. OD-BE-120M. S
- 3680 Radiation patterns and electrical balance of BRTG, by Glenn L. Scillian and Ralph Stair. Aug. 31, 1944. OD-3-177. S
- 3681 Radiation patterns of the AR and H4.5 rockets, by Otto E. Spokas. July 21, 1945. OD-7-212M. S
- 3682 Radiation patterns on Zenith and Westinghouse BRTG, by Ralph Stair. Aug. 25, 1944. OD-3-34M. S
- 3684 Radiation properties of BRLG, by Robert D. Huntoon. July 28, 1943. Memorandum no. 43-R. S
- 3685 Radiation properties of depth bombs, by Otto E. Spokas and Franklin M. Fletcher. Sept. 15, 1944. OD-BE-53M. S
- 3686 Radiation properties of gas tanks; preliminary report by Bertrand J. Miller. Nov. 27, 1944. OD-BE-89M. S
- 3687 Radiation properties of 1,000- and 2000-lb. G.P. bombs, by Franklin M. Fletcher and Otto E. Spokas. Sept. 27, 1944. OD-BE-59M. S
- 3688 Radiation properties of the 5" mattress and the 155 mm mortar projectile, by Otto E. Spokas and Franklin M. Fletcher. Sept. 30, 1944. OD-BE-63M. S
- 3689 Radiation properties of the HVAR 5" rocket, by Otto E. Spokas and R. F. Morrison, jr. Sept. 13, 1944. OD-BE-50M. S
- 3691 Radiation properties of various rockets, by Bertrand J. Miller. Dec. 12, 1944. OD-BE-92M. S
- 3692 Radiation properties of vehicles M30, M64, and M81, by Franklin M. Fletcher and Otto E. Spokas. Oct. 5, 1944. OD-BE-66M. S
- 3694 Radiation resistance of rocket, by Otto E. Spokas, Charles C. Gordon and Robert D. Huntoon. Mar. 2, 1944. OD-3-105. S
- 3695 Radiation resistance of the M56 mortar, and the M43/56 mortar combination, the AN-M41 fragmentation bomb, and the 155mm chemical mortar projectile when used with a T-132 type unit, by Otto E. Spokas. Dec. 19, 1944. OD-BE-98M. S
- 3696 Radiation resistance of the M-56 mortar shell with 2" tail extension, by Otto E. Spokas. Aug. 28, 1945. OD-7-214M. S

- 3697 Radiation resistance of Zenith BRTG-Z units, by Glenn L. Scillian and Ralph Stair. Sept. 13, 1944. OD-3-178. S
- 3698 Radiation resistance presented to the type T-2005 unit, by Otto E. Spokas. June 25, 1945. OD-7-205M. S
- 3700 Radio proximity fuze for the plane-to-plane rocket; field tests, by H. Diamond, W. S. Hinman, jr., L. S. Taylor, Robert D. Huntoon, Cleo Brunetti and Chester H. Page. Dec. 4, 1942 and Feb. 5, 1943. Report nos. A-121, 144. OSRD nos. 1080, 1223. Title varies. S
- 3702 [Radio proximity fuzes] Weekly progress report nos. 73 and 74, Ordnance Development Division. Oct. 10 and 13, 1944. S
- 3703 Radio proximity fuzes for bombs and rockets, by Harry M. Diamond. June 13, 1942. A-64. OSRD 636. S
- 3712 "RC" delay added to SW-200 arming switches; effect on early functioning of MC-382 fuzes [tested at] Blossom Point, by T. N. White. Sept. 14, 1943. OD-1-AB15. S
- 3718 Recording oscilloscope and 16 mm Eastman oscilloscope camera, by N. Newman. Nov. 2, 1945. OD-1-TM8. S
- 3723 Relation between early function and after-burning. RRP-NBS fuze on Revere 4.5 M8 motor. Night test, Corncake, by T. N. White. Mar. 17, 1943. OD-1-AB1. S
- 3741 Reporter test, 10 Westinghouse T-82 E1 units, lot EWEM-3-1, (BX-12), by G. Rab-inow. Aug. 28, 1945. OD-1-879. S
- 3753 Results of tests made on 100 Globe Union T132 units of lots 29-39 (except lot 38) for performance, by Paul J. Martin and B. H. Nieder. Aug. 7, 1945. OD-6-89. S
- 3760 Results of type tests on T50 and BRLG units, by H. A. Pratt. July 4, 1944. OD-QC-N-34. S
- 3764 Revised amplifier for T-91, by Paul E. Landis and George Nordquist. Mar. 29, 1945. OD-5-765. S
- 3765 Revised circuit for BRTG-T1B amplifier, by Dorothy R. Adams and George Nordquist. Mar. 2, 1945. OD-3-219. S
- 3767 Revised T-2005 amplifier, by Dorothy R. Adams. July 30, 1945. OD-3-264. S
- 3768 Revision of the MC-380 circuit, by J. G. Hoffman, Ralph Stair and Alexander Orden. Oct. 1, 1943. OD-2-2. S
- 3770 R.F. sensitivity of the Zenith T-172 unit and variations thereof, by Otto E. Spokas. Aug. 13, 1945. OD-7-214R. S
- 3771 RGD circuit for BRLG applications, by Philip Krupen. Feb. 24, 1944. OD-3-102. S

- 3772 An RGD circuit for the MC-382, by Philip Krupen. Jan. 15, 1944. OD-3-79. S
- 3774 The RGD oscillator, by Philip Krupen. Mar. 14, 1945. OD-3-227. S
- 3775 An RGD oscillator for working into high radiation resistances, by Richard F. Mills. Jan. 24, 1945. OD-3-212. S
- 3778 Rocket fuze test results at B[lossom] P[oint] and Dahlgren, by Paul F. Bartunek and C. F. Smolen. Apr. 2, 1945. OD-7-97M. S
- 3780 Rotary shaker for pre-testing BRLG heads, by Robert D. Huntoon. Oct. 22, 1943. OD-3-7. S
- 3784 RRP fuze, MC-382-Emerson. Early functions: The effect of powder load on after-burning and slivers, by L. C. Miller. Mar. 20, 1943. OD-1-AB3. S
- 3785 RRP fuze, MC-382-Emerson. Effect of fin structure on early functioning, by L. C. Miller. Mar. 23, 1943. OD-1-AB4. S
- 3787 RRP fuze, MC-382-Philco early function tests, by L. C. Miller. Mar. 23, 1943. OD-1-AB5. Contents.--1. Fuzes with reduced sensitivity.--2. Motors with metal sweeps. S
- 3792 Salvo firing in search of sympathetic functioning. 60 fuzes, M2 (MC-380) 5 per salvo; 60 fuzes, M3 (MC-382) 5 per salvo, by T. N. White. Sept. 25, 1943. OD-1-15. S
- 3795 Selection of optimum frequencies for BRLG vehicles, by Robert D. Huntoon. Aug. 25, 1943. Memorandum no. 52-R. Revised charts, Apr. 17, 1944. S
- 3802 72 Philco MC-382 fuzes fired on Budd and Revere motors; test of propellant charge on early functioning, by R. R. Vorkink. Sept. 20, 1943. OD-1-13. S
- 3803 73 G.U. T-132, lot S-1 (CHP-43), by D. C. Friedman. June 4, 1945. OD-1-763. S
- 3804 75 fuzes, RRP-M3, MC-382 (Emerson and Philco); test of effect of velocity on early functioning, by R. R. Vorkink. Aug. 12, 1943. Memorandum no. 405-T. S
- 3805 Shelf-life test on MC-382 units, by Paul J. Martin. Oct. 12, 1944. OD-5-522. S
- 3813 A simplified RGD-PB oscillator, by Paul Miller. Feb. 7, 1945. OD-3-216. S
- 3815 6 MROG reporters, by D. C. Friedman. Sept. 14, 1944. OD-1-501. S
- 3816 6 NBS BRTG-P4 units tested for function over Ground (AVA-17), Aberdeen, by D. C. Friedman. Feb. 23, 1944. OD-1-165. S
- 3817 6 speed regulating propellers on BRLG self-reporters; test requests by D. C. Friedman. Dec. 11, 1943 and Jan. 31, 1944. Report nos. OD-1-76, 126. Title varies. S

- 3826 Some notes on the noise voltage response characteristics of radio proximity fuze, by Max Shufer. Jan. 1, 1945. OD-5-85M. S
- 3856 Static tests on after-burning, Blossom Point; preliminary report by L. C. Miller. Mar. 29, 1943. OD-1-AB8. Contents.--I. Use of metal sweeps.--II. Use of JP-265 powder. S
- 3857 Static tests to determine the effect of different trap and motor combinations on the functioning of the T-5 fuze, by Charles C. Gordon. Dec. 15, 1944. OD-1-589. S
- 3859 Status of anti-aircraft radio fuze for rocket application, by Harry M. Diamond. Nov. 12, 1941. S
- 3860 Status of BRLG production design, by W. S. Hinman, jr. Dec. 16, 1943. OD-3-57. S
- 3861 Status of BRTG specification, by Harry M. Diamond. June 28, 1944. S
- 3863 Status of engineering and production of T-50 at Emerson; interim report no. 8-E by Max Shufer. Mar. 31, 1945. OD-5-768. S
- 3864 Status of production and performance of radio proximity fuzes for bombs and rockets, by Harry M. Diamond, B. J. Miller and A. Orden. Jan. 10, 1945. S
- 3870 Status of work on RGD, by Bertrand J. Miller. Dec. 7, 1943. OD-3-47. S
- 3877 A study of burst heights for Philco production T50E1 fuzes based on amplifier characteristics, by W. J. Cronin and R. B. Schwartz. Apr. 2, 1945. OD-7-99. S
- 3879 A study of predicted and observed function heights for T-132 and T-171 fuzes on the M43C mortar shell, by P. R. Karr and Mary L. Scott. July 7, 1945. OD-3-271. S
- 3880 A study of some amplifier curves for use with the M43C mortar, by Mary L. Scott and George Nordquist. July 4, 1945. OD-3-267P. S
- 3881 A study of the development of the BRLG-100 specifications. Sept. 1, 1944. OD-5-617. S
- 3884 A study of the development of the specifications for NR-2A diode, NR-3/NS-3 triode, NS-4 thyatron and NR-5/NS-5 pentode. Oct. 20, 1944. OD-5-671. S
- 3890 Suggested T-132L amplifier having low gain at low frequency, by George Nordquist. Mar. 12, 1945. OD-3-225. S
- 3893 Summary of field tests on miniature fuzes, by J. H. Barnard. Jan. 2, 1945. OD-3-65M. S
- 3894 Summary of performance of Emerson T-50 E4 units, production lots 1 through 23 (282 units), by R. R. Vorkink. June 19, 1944. OD-1-378. S

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| <p>3895 Summary of recent target tests at Blossom Point, by Alexander Orden and C. F. Smolen. Apr. 9, 1945. OD-7-98. S</p> <p>3896 Summary of T-132 field performance during May 1945, by Paul F. Bartunek and E. Arant. June 23, 1945. OD-2-238R. S</p> <p>3897 Summary of tests of T30 and T2004 (T30 adapted for plane to ground application) rocket fuzes, by Paul F. Bartunek. Apr. 30, 1945. OD-7-108. S</p> <p>3898 A summary of the results of field tests of the T132 fuze at Blossom Point during June 1945, by W. J. Cronin, Paul F. Bartunek, C. F. Smolen and D. Fisher. July 20, 1945. OD-2-250R. S</p> <p>3903 Sunfiring of photo-electric fuzes on rockets, by H. F. Stimson. Sept. 3, 1943. Memorandum no. 392-T. S</p> <p>3905 Sunfiring properties of M-2 fuzes, by Fred L. Mohler. July 8, 1943. OD-2-1. Contents.--I. Roof tests on yaw machine.--II. Field tests at Corncake. S</p> <p>3906 A sunproof modification of the MC-380 fuze, by J. G. Hoffman, R. F. Morrison, jr. and Glenn L. Scillian. Sept. 4 [and Nov. 22] 1943. Report nos. OD-2-5, 21. S</p> <p>3909 Surge current performance and requirements of BRLG filter condensers, by Willis E. Armstrong. Revised. Sept. 13, 1944. OD-5-594. S</p> | <p>3917 T-50 function height for various amplifiers under manifold release conditions, by Mary L. Scott. Feb. 2, 1945. OD-3-215. S</p> <p>3919 The T-132 (mortar fuze) apex performance problem, by William L. Kraushaar. Mar. 3, 1945. OD-3-220. S</p> <p>3921 Tables of Doppler frequency vs. altitude of release at 200 miles per hour for carrier frequencies. [Sept. 19, 1944] OD-OAG-42. S</p> <p>3926 Tail initiation of bomb burst by recoil from VT nose fuze, by Theodore B. Godfrey. Mar. 17, 1945. OD-1-670. S</p> <p>3928 Target tests of RPEB-2 fuzes with MC-380 controls (using 4-target array), Blossom Point, by R. R. Vorkink. Sept. 20 and Oct. 14, 1943. Report nos. OD-1-9, 25. Title varies. S</p> <p>3930 Technical specification for parts assemblies for VT reaction grid detection fuzes, T30 and T2004. July 20, 1945. S</p> <p>3943 Temporary electrical specifications for MRLG, by Harry M. Diamond. Aug. 1, 1944. S</p> <p>3944 Ten BTL BPEG fuzes; tests for target function and for self-destruction, by R. R. Vorkink. Aug. 17, 1943. Memorandum no. 410-T. S</p> <p>3945 10 GU and NBS T-132 on M56 (WSH-5), by D. C. Friedman. Mar. 20, 1945. OD-1-676. S</p> |
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| <p>3956 Test of 25 sunproofed MC-380 fuzes with 50 regular MC-380 controls (fired over ground), Corncake, by R. R. Vorkink. Nov. 8, 1943. OD-1-36. S</p> <p>3966 [Test of 60 Globe Union T-132 units, lot GUS-23 and 60 from lot GUS-24] by P. J. Martin. July 23, 1945. OD-6-81. S</p> <p>3970 Test of H.E. interference. 46 Zenith T-51, lot 12 (CB-362), Aberdeen, by D. C. Friedman. Oct. 24, 1944. OD-1-532. S</p> <p>3983 Test of recovered T-132 from Globe-Union, lot X23, by C. J. Apolenis. May 15, 1945. OD-3-247. S</p> <p>3985 Test of special MC-380 fuzes (designed to prevent sunfiring), Corncake, by L. C. Miller. Sept. 4, 1943. Memorandum no. 428-T. S</p> <p>3987 Test of special MC-380 Western Electric fuzes (Veazie circuit) - (in connection with the problem of gassy pentodes), E-Range, Blossom Point, by L. C. Miller. May 19 and June 3, 1943. Memorandum nos. 244-T, 271-T. Title varies. S</p> <p>4002 Testing of RGD units, by Philip Krupen. Apr. 22, 1944. OD-3-131. S</p> <p>4004 Tests BJM-5 and BJM-6; progress report by Charles Ravitsky. May 14, 1945. OD-7-206R. S</p> | <p>4019 Tests of sweeps and plugs, Corncake, by R. R. Vorkink. May 7, 1943. OD-1-AB13. S</p> <p>4023 Tests on early functioning of MC-382 fuzes, by L. C. Miller. Sept. 14, 1943. OD-1-5. Contents.--A. Use of purge pellets.--B. Increased surface area of propellant. S</p> <p>4031 Theoretical estimates of the radiation resistance of the BRTG propeller antenna model, by J. G. Hoffman and David Feldman. Apr. 24, 1944. OD-2-30. S</p> <p>4040 Tolerance survey on T-132 - T-171 amplifier, by D. R. Adams. Apr. 14, 1945. OD-3-237P. S</p> <p>4044 [Toss bombing] Weekly progress reports by William B. McLean and W. S. Hinman, jr. Aug. 3, 1944-Jan. 1945. S</p> <p>4045 Toss bombing. Acceleration-integrator bomb release, by William B. McLean, William L. Whitson and Jacob Rabinow. May 16 and Aug. 14, 1943. Memorandum nos. 5-S, 7-S. Title varies. S</p> <p>4048 Toss bombing field data using AYF altimeter and gyro dive-angle attachment, by William L. Whitson. Feb. 14 and Mar. 16, 1944. Report nos. OD-4-34, 39. S</p> <p>4050 Toss bombing tests at Cedar Point Naval Air Station, by F. R. Kotter. Nov. 18, 1943. OD-1-57. S</p> |
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| <p>4051 Toss bombing tests at Patuxent, by William L. Whitson. May 10, 25 and 29, 1944. Report nos. OD-4-64, 67, 70. Title varies. S</p> | <p>4076 22 GU T-132, lots X32 and X34, with two turbine-blade angles, by D. C. Friedman. May 5, 1945. OD-1-732. S</p> |
| <p>4056 Trajectories calculated for mortar firing at 70° elevation, by G. L. Rabinow. Nov. 15, 1944. OD-1-561. S</p> | <p>4077 24 GU T-132, lots X15-X17, (WSH-6), by D. C. Friedman. Mar. 22, 1945. OD-1-680. S</p> |
| <p>4059 Triggering of MC-380's by poles on the North Range, by Alexander Orden. July 3, 1943. Memorandum no. 39-P. S</p> | <p>4079 24 Philco BRLG-8 units tested for function over ground, Aberdeen, by D. C. Friedman. Feb. 24, 1944. OD-1-168. S</p> |
| <p>4060 Triode microphonics, by Robert D. Huntoon, Bertrand J. Miller and R. B. Schwartz. May 20, 1944. OD-3-153. S</p> | <p>4080 217 MC-382 fuzes; effect of propellant on early functioning at Corncake, by T. N. White. Sept. 21, 1943. OD-1-8. Contents.--A. Amount of regular propellant.--B. Special propellant.--C. Purge pellets. S</p> |
| <p>4062 Trip to Camp Davis, by Robert D. Huntoon. Aug. 29, 1942. S</p> | <p>4083 Universal high gain amplifier, by George Nordquist. Oct. 20, 1944. OD-3-186. S</p> |
| <p>4066 Tube and component study of 10-E amplifier, by Chris Gregory. Oct. 30, 1944. OD-3-190. S</p> | <p>4087 Use of MC-380's on AN-M-30 at Eglin Field, by Allen V. Astin. Aug. 5, 1943. Memorandum no. 42-P. S</p> |
| <p>4071 Tuning BRLG, by Robert D. Huntoon. Jan. 29, 1944. OD-3-87. S</p> | <p>4091 The use of precision bearings in BRLG and T-50 noses, by Jacob Rabinow. Dec. 14, 1944. OD-4-88. S</p> |
| <p>4072 Tuning compromise for BRLG units, by Philip R. Karr and Otto E. Spokas. Revised. June 3, 1944. OD-3-139. S</p> | <p>4093 Use of the M-2 fuze, by Allen V. Astin. July 15, 1943. OD-2-17. S</p> |
| <p>4074 A 2-stage feedback amplifier, by Ralph Stair, Thomas M. Marion and E. Eisner. Nov. 24, 1943. OD-2-6. S</p> | <p>4096 Variation of generator speeds of BRLG units with manufacturer; supplementary report by D. C. Friedman. June 6, 1944. OD-1-256A. S</p> |
| <p>4075 21 NBS BRLG-8 units (CB-129 and CB-133), by D. C. Friedman. Feb. 28, 1944. OD-1-173. S</p> | |

- 4106 Visibility of various mortar spotting charges; 13 Globe-Union T-132 units (TBG-129), by G. Rabinow. July 11, 1945. OD-1-829. S
- 4110 VT fuze status in ETO, MTO, and British liaison, by Allen V. Astin. Apr. 5, 1945. S
- 4111 VT fuzes for rockets and bombs; training lectures, by Robert D. Huntoon, Chester H. Page, B. J. Miller, Jacob Rabinow and Harry M. Diamond. [Jan. 1945] A-334. OSRD-5326. S
- 4121 Work at Eglin Field involving V.T. fuzes, by T. N. White. Mar. 28, 1945. OD-7-94M. S
- 4122 Yaw-reporter test, Corncake, by L. C. Miller. Aug. 9, 1943. Memorandum no. 401-T. S
- 4123 Zenith revised final test position, by Paul E. Landis. Apr. 16, 1945. OD-5-787. S
- PHILCO CORPORATION, Philadelphia, Pa. OEmSr-866
Projects, NO-77B, NO-77R, OD-27, OD-33.
- 4129 [BRLG fuze] Final report by Olga E. Yeaton. Aug. 18, 1944. S
- 4130 Research and development conducted on P4-772 radio proximity fuze for large bombs; final report by R. A. Bell. June 15, 1943. S
- 4131 [Research and development conducted on P4-772 radio proximity fuze for large bombs] Feb. 10, 1943. Interim report no. 40. S
- PHILCO CORPORATION, Philadelphia, Pa. OEmSr-1196
Projects NO-77B, OD-27, OD-33.
- 4133 Pilot line production of BRLG equipment; final progress report by Maurice E. Swift. May 31, 1945. S
- RADIO CORPORATION OF AMERICA, Harrison, N. J. OEmSr-1003
Projects NO-76R, NO-76R, NO-77B, NO-77R, NO-77S, OD-27.
- 4134 Development of special electronic devices; final report by Alan M. Glover and Arnold R. Moore. July 17, 1944. Revision, Oct. 23, 1944. Report no. 1003-1. S
- WESTERN ELECTRIC COMPANY, INC., New York, N. Y. OEmSr-905
Projects NO-76B, NO-76R, NO-77B, NO-77R, OD-27, OD-33, SC-37.
- 4182 Generator-powered proximity fuzes for bombs; final technical report by K. D. Smith and A. L. Stillwell. Mar. 24, 1944. 3
- 4184 [Generator-powered proximity fuzes for bombs] by J. F. Wentz. Mar. 8, 1943. Interim report no. 90. S

WESTINGHOUSE ELECTRIC CORPORATION,
Baltimore, Md. OEMsr-343
Projects CWS-19, NO-76B, NO-
76R, NO-77B, NO-77R, OD-27,
SC-38.

4185 Development of a ground ap-
proach proximity bomb nose
fuze; termination report by
T. M. Bloomer. Apr. 28,
1945. CFE-760. S

4186 Proximity fuze, bomb, nose,
ground approach type VT, T-
82; termination report by T.
M. Bloomer. Apr. 28, 1945.
CFE-759. S

4187 Proximity fuze, "Hornet";
termination report by John R.
Boykin. Apr. 28, 1945. CFE-
762. S

4188 Proximity fuze, rocket,
plane-to-plane, type POD;
termination report by John R.
Boykin. Apr. 28, 1945. CFE-
761. S

WESTINGHOUSE ELECTRIC CORPORATION,
Washington, D. C. OEMsr-1106
See Westinghouse Electric
Corporation, OEMsr-343.

THE RUDOLPH WURLITZER COMPANY,
North Tonawanda, N. Y.
OEMsr-1161
Projects NO-77R, OD-27.

4196 RRLG proximity fuses; final
report by F. H. Osborne.
Mar. 15, 1945. S

THE RUDOLPH WURLITZER COMPANY,
North Tonawanda, N. Y.
OEMsr-1163
See The Rudolph Wurlitzer
Company, OEMsr-1161.

THE ZELL CORPORATION, Baltimore,
Md. OEMsr-954
Projects CWS-19, NO-76B, NO-
76R, NO-77B, NO-77R, OD-27,
OD-33, SC-38, SC-40.

4197 [Production of ring-type ra-
dio bomb fuzes] Final tech-
nical report. Jan. 12, 1945.
S

ZENITH RADIO CORPORATION, Chicago,
Ill. OEMsr-980
Projects NO-76B, NO-76R, NO-
77B, NO-77R, OD-27, SC-38.

4198 Generator-powered radio prox-
imity fuze for bombs: trans-
verse antenna type; final re-
port by Earl J. Diehl. Mar.
30, 1945. A-326. OSRD 5111.
S

4199 Mass production of T51 fuzes;
final report by Earl J.
Diehl. Oct. 3, 1945. A-389.
OSRD 6460. S

4200 1-7/16" diameter generator
for fuze well; development
report by George V. Morris.
Oct. 8, 1943. S

4202 Status of generator develop-
ment, by George V. Morris.
May 27, 1943. Engineering
report no. 3-R. S

ZENITH RADIO CORPORATION, Chicago,
Ill. OEMsr-1133
See Zenith Radio Corporation,
OEMsr-980.

ZENITH RADIO CORPORATION, Chicago,
Ill. OEMsr-1477
Project OD-27.

4203 Generator-powered radio proximity fuze for mortars: loop transverse-antenna type; final report by Earl J. Diehl. Oct. 30, 1945. A-390. OSRD-6461. S

DIVISION AND MISCELLANEOUS

4204 Agenda, Division 4 NDRC meeting, June 30, 1944. S

4205 Annotated bibliography of NDRC technical reports and memorandums of Division 4. Sept. 15, 1944 and May 1, 1945. Report nos. A-102M, 108M. OSRD nos. 4152D, 4830D. S

4211 Memorandum from T-4, by R. B. Brode. Apr. 24, 1941. Contents.--Electronic tubes.--Detonators.--Batteries. S

4214 Operational uses of bomb and rocket VT fuzes by U.S. Army and Navy in World War II, by Walter G. Finch. Oct. 15, 1945. OD-Army-4. S

4218 Preliminary specification for metal parts assembly for fuze, rocket, PD, T32 and/or T132, MRLG-100. Jan. 2, Nov. 17 and 22, 1944. Title varies. S

4219 Project summaries for Div. 4: Ordnance accessories. Feb. 5, 1943-Feb. 1, 1945. Report nos. A-145, 170, 189, 206, 221, 236, 250, 266, 277, 290, 299, 314. S

4220 [Proximity fuzes] Biweekly interim report no. 3. July 6, 1943. S-175. S

4221 Proximity fuzes; progress report. Feb. 24, 1941. S

4222 Questions relating to proximity fuzes. Feb. 25, 1941. S

4223 Radio proximity fuzes for antiaircraft shell; progress report by M. A. Tuve. Apr. 20, 1942. A-42. OSRD 522. S

4224 Revisions incorporated in specifications for BRLG-100 and its subassemblies. Feb. 25, 1944. S

4225 Specification for electrical components for BRLG-100. Feb. 25, 1944. S

4231 Specification for longitudinally excited, generator powered, radio proximity fuze, BRLG-100. Feb. 25, 1944. S

4234 Specification for transversely excited, generator powered, radio proximity fuze, T-51E1. Jan. 16, 1945. S

4235 Summaries of projects, Section E; Division A, Armor and Ordnance. June 30, Aug. 31 and Oct. 31, 1942. Excerpts from reports A-75, A-100, A-120. S

4237 Tentative design of radio proximity fuzes for use in projectiles, by Max A. Tuve. July 8, 1941. S

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